

City of Alexandria
Ad Hoc Transportation Policy and Program Task Force

Community Information Meetings

July 27, 2006
7:00 – 9:00 P.M.
William Ramsay Center
5650 Sanger Avenue

October 5, 2006
7:00 – 9:00 P.M.
Lyles-Crouch Traditional Academy
530 St. Asaph Street

A New Strategy to Meet Alexandria's Mobility Needs

Agenda

7:00 – 7:30 PM	Task Force Proposal for Dedicated Transit Corridors	Task Force Members
7:30 – 9:00 PM	Discussion, Q&A	All

Additional Information

Ad Hoc Transportation Policy and Program Task Force
http://alexandriava.gov/tes/policy_and_program/transportation_policy.html

Alexandria Master Plan
<http://alexandriava.gov/planningandzoning/masterplan.php>

TransAction 2030 (Northern Virginia Regional Transportation Plan)
<http://www.transaction2030.com/>

VTrans 2025 (State Transportation Plan)
<http://virginiadot.org/projects/default.asp>

Mobility Alexandria

Looking to the Future

A New Strategy to Meet Alexandria's Mobility Needs

***Ad Hoc Transportation Policy and Program Task Force
Community Information Meetings***

***July 27, 2006
October 5, 2006***

Transportation Plan Update

- Transportation Plan last adopted in 1992
- 1992 Plan is out of date and largely auto oriented
- Comprehensive Transportation Policy and Program project started in 2001
- Ad Hoc Transportation Task Force created by Council in Fall 2004 to develop a new plan



Comprehensive Plan



Comprehensive Transportation Plan



Supporting
Policies and
Programs

The Problem Is . . .



The Solution ?

If these idiots would
just carpool, I'd be
home by now!

#@&*@\$!!!

If these idiots would
just telecommute, I'd
be home by now!

If these idiots would
just walk to work, I'd
be home by now!

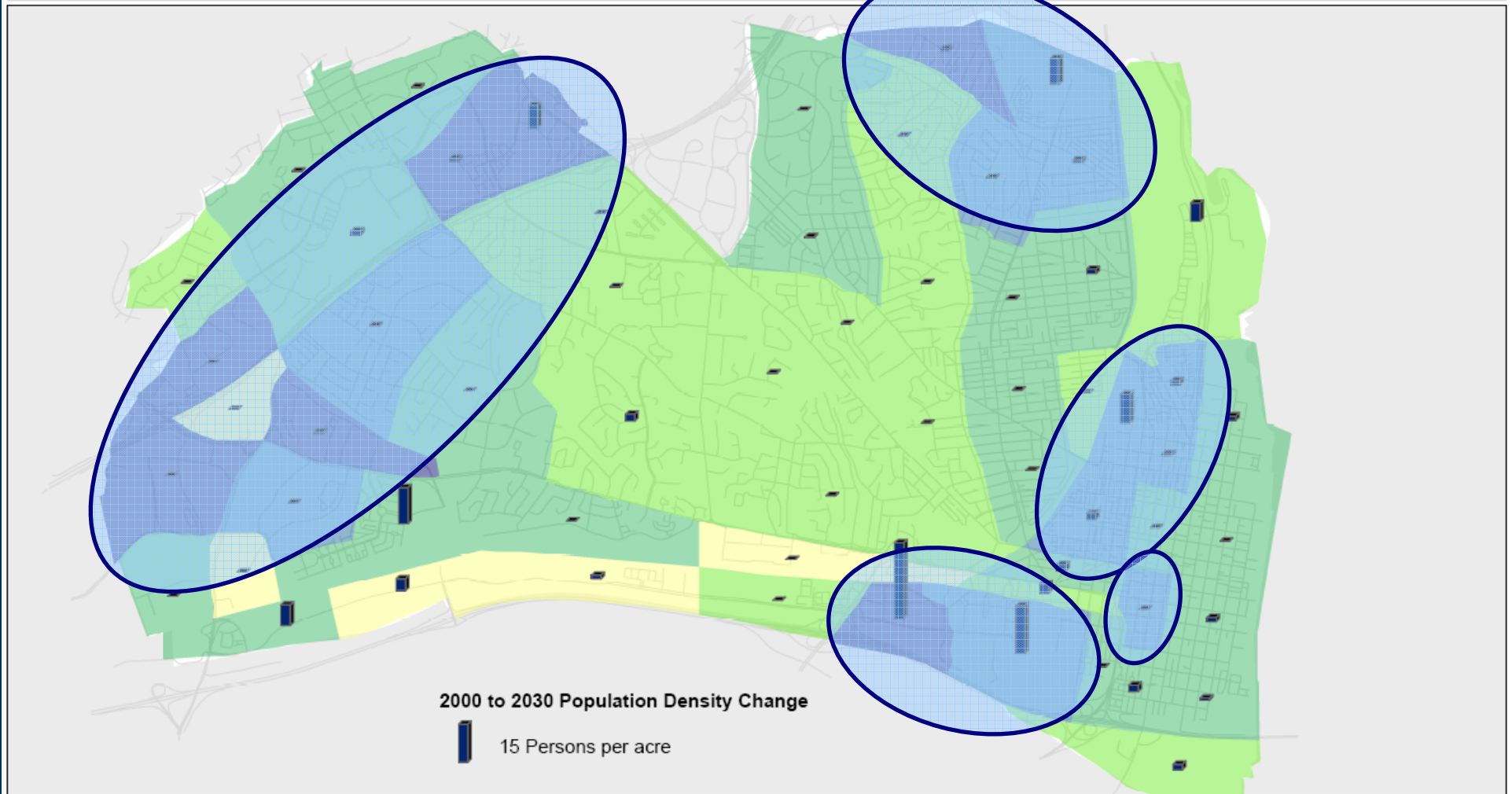
If these idiots would
just take Metro, I'd be
home by now!

If these idiots would
just take the bus, I'd
be home by now!

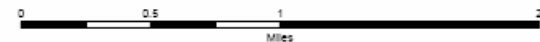
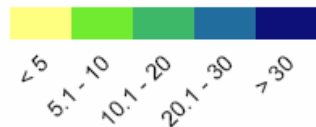


Population Density 2000 / 2030

City of Alexandria: Population Density 2000 to 2030



2030 Population Density
Persons Per Acre 2030

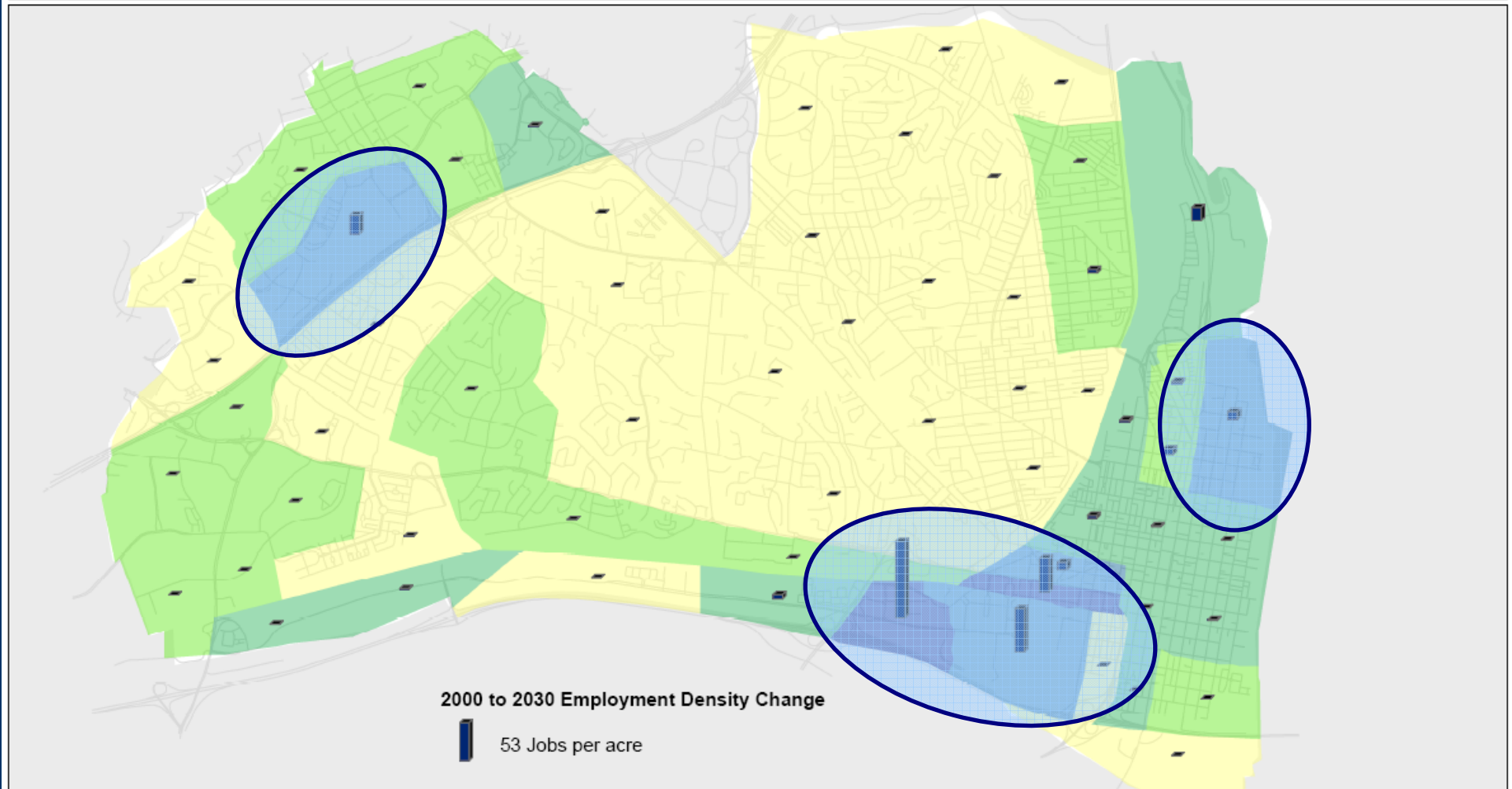


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by Michael Baker Jr., Inc.

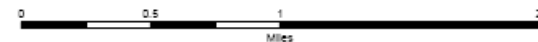
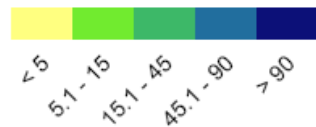
Baker

Employment Density 2000 / 2030

City of Alexandria: Employment Density 2000 to 2030



2030 Employment Density
Jobs Per Acre 2030



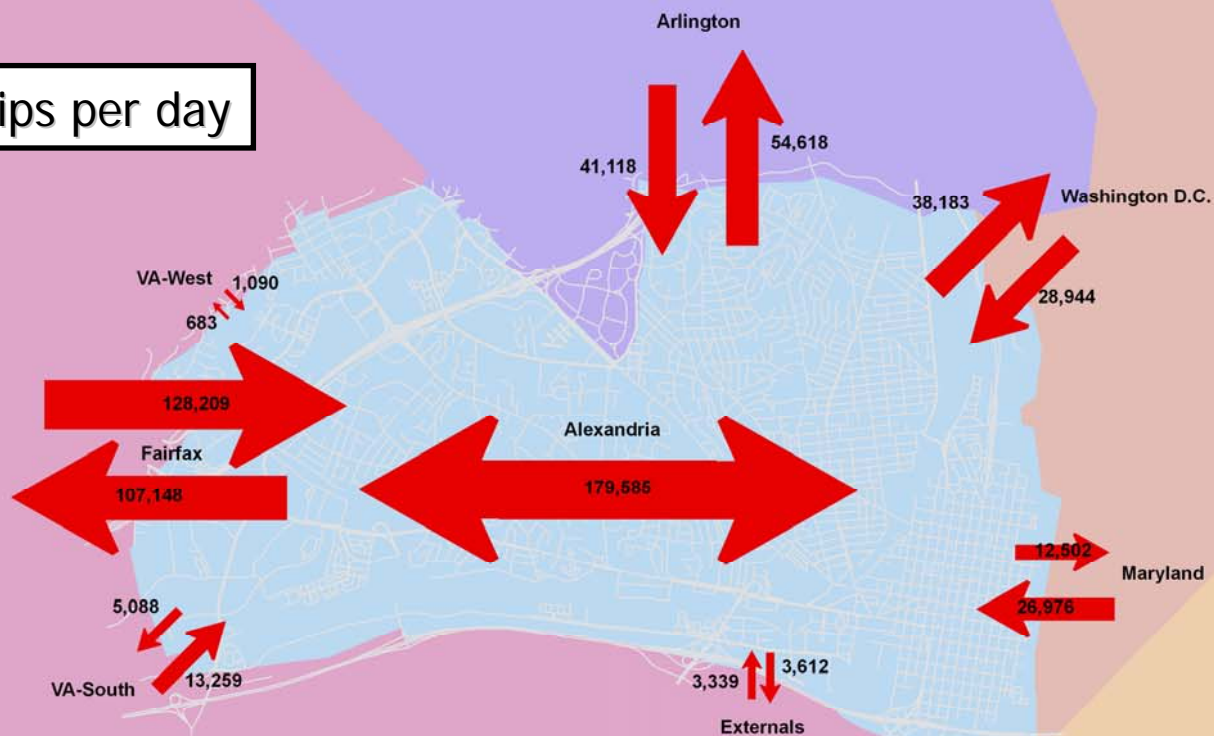
Created March 27, 2008
by Michael Baker Jr, Inc.

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Automobile Trips 2000

City of Alexandria: Year 2000 Daily Automobile Trips

824,000 trips per day



Year 2000 Daily Auto Trips									
Origins	Destinations								
	Jurisdiction	DC	Maryland	Arlington	Alexandria	Fairfax	VA-South	VA-West	Externals
DC		839,155	238,501	85,290	28,944	63,690	4,565	2,088	20,491
Maryland		516,770	7,990,346	60,737	26,976	110,998	20,475	26,695	354,332
Arlington		98,017	23,452	339,877	41,118	119,911	4,887	3,237	7,086
Alexandria		38,183	12,502	54,618	179,585	107,148	5,088	683	3,612
Fairfax		132,956	63,934	149,773	128,209	2,622,108	72,168	135,431	33,224
VA-South		12,864	9,327	12,483	13,259	156,036	1,175,179	33,104	39,886
VA-West		4,610	30,458	4,387	1,090	123,029	38,457	610,899	31,912
Externals		22,159	382,124	6,826	3,339	35,690	48,956	38,228	0
Total		1,664,714	8,750,644	713,971	422,520	3,338,610	1,367,775	850,365	490,643

0 0.45 0.9 1.8 Miles

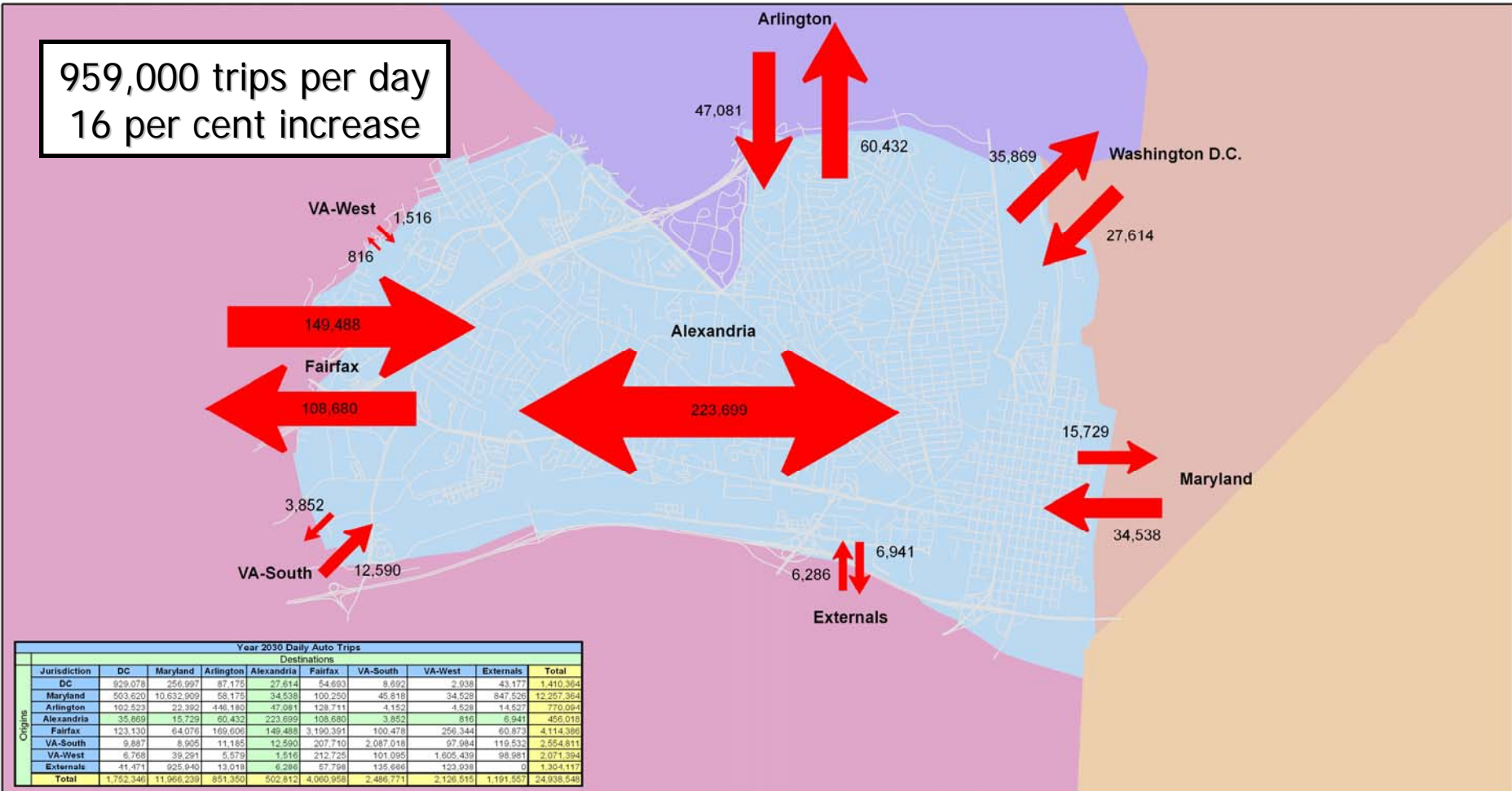


No arrow means fewer than 500 trips.
Externals includes all trips originating or destined for points outside the MWCOC model area.
VA-South includes Prince William, Stafford, Spotsylvania, and King George Counties and the City of Fredericksburg.
VA-West includes Loudon, Fauquier and Clark Counties, Virginia and Jefferson County, West Virginia.
Maryland includes Prince Georges, Montgomery, Frederick and Anne Arundel Counties.
Fairfax includes the Cities of Fairfax, Manassas and Manassas Park.
Based on MWCOC Round 6.4 Demographic Projections.

Automobile Trips 2030

City of Alexandria: Year 2030 Daily Automobile Trips

959,000 trips per day
16 per cent increase



0 0.5 1 2 Miles

Baker

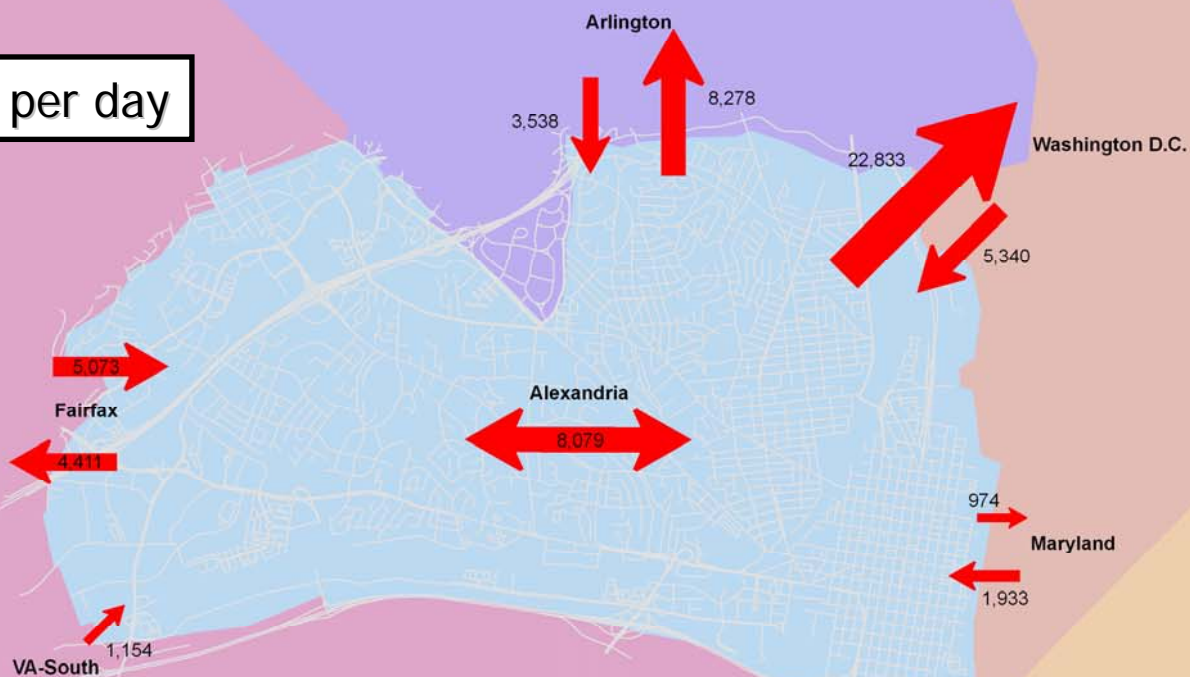


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Based on MWCOC Round 6.4 Demographic Projections.

Transit Trips 2000

City of Alexandria: Year 2000 Daily Transit Trips

70,000 trips per day



Year 2000 Daily Transit Trips									
Origins	Destinations								
	Jurisdiction	DC	Maryland	Arlington	Alexandria	Fairfax	VA-South	VA-West	Externals
DC	225,410	41,724	24,526	5,340	12,357	44	0	0	309,401
Maryland	155,320	70,645	19,257	1,933	15,304	6	1	0	262,466
Arlington	56,304	3,532	20,846	3,538	11,295	29	1	0	95,545
Alexandria	22,833	974	8,278	8,079	4,411	16	0	0	44,591
Fairfax	66,922	3,275	38,758	5,073	24,867	201	29	0	139,125
VA-South	13,207	166	2,965	1,154	3,363	6,158	0	0	27,013
VA-West	865	197	268	10	1,460	0	910	0	3,710
Externals	0	0	0	0	0	0	0	0	0
Total	540,861	120,513	114,898	25,127	73,057	6,454	941	0	881,851

0 0.5 1 2 Miles

Baker

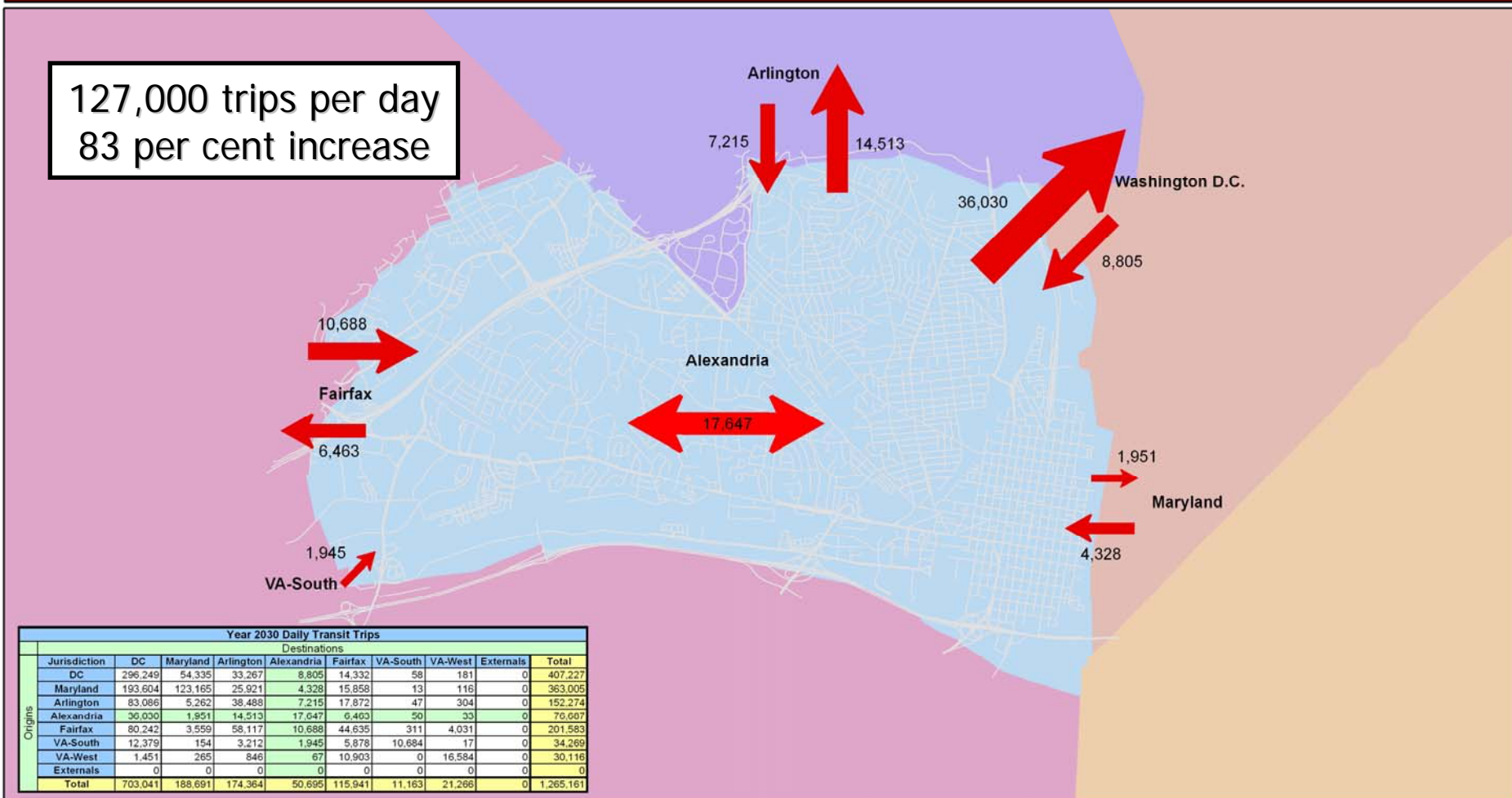


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Fairfax includes the Cities of Fairfax, Manassas and Manassas Park.
Based on MWCOC Round 6.4 Demographic Projections.

Transit Trips 2030

City of Alexandria: Year 2030 Daily Transit Trips

127,000 trips per day
83 per cent increase



0 0.5 1 2 Miles

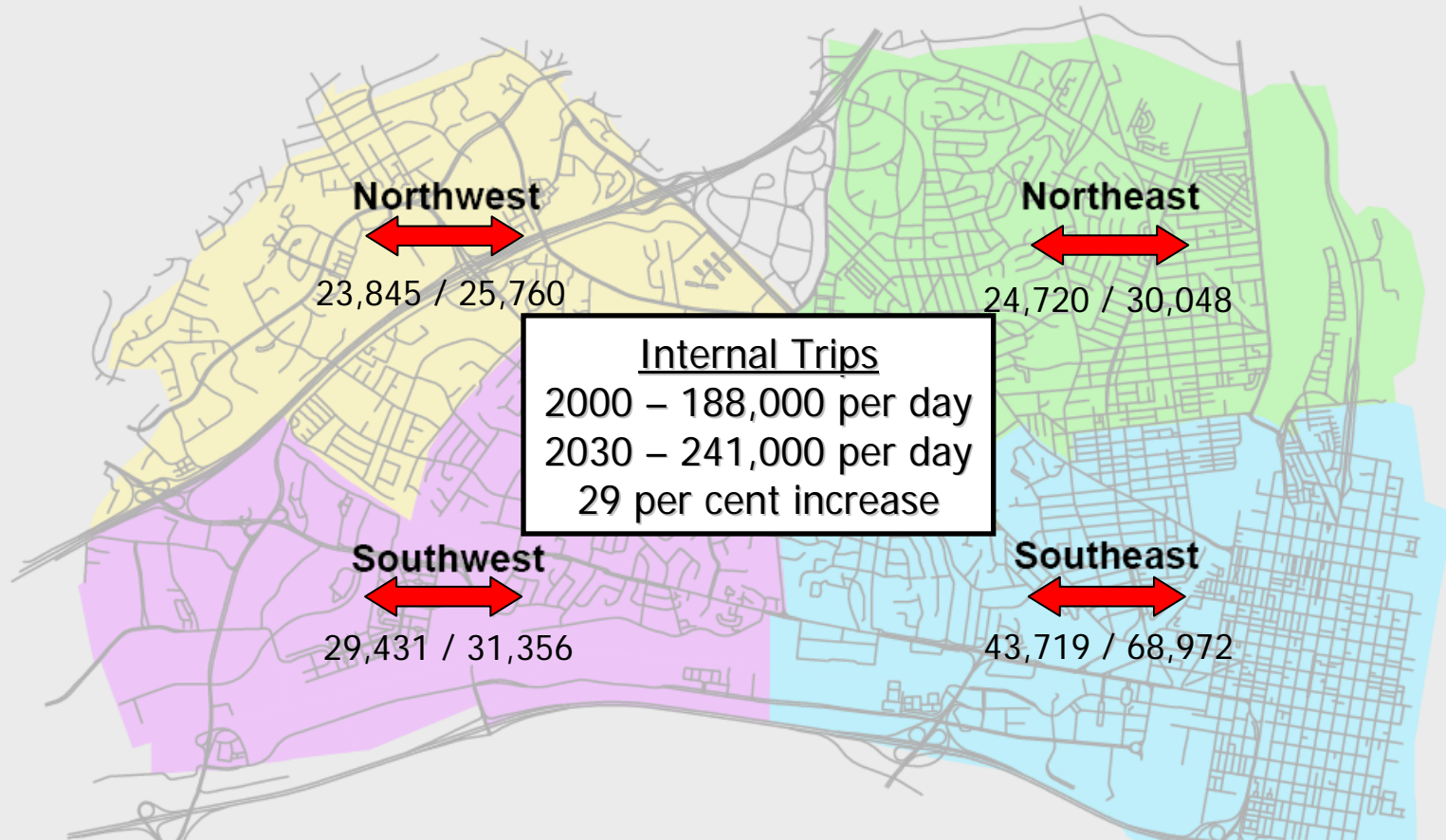
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Daily Trips by Quadrant 2000 / 2030

City of Alexandria: Transportation Quadrants



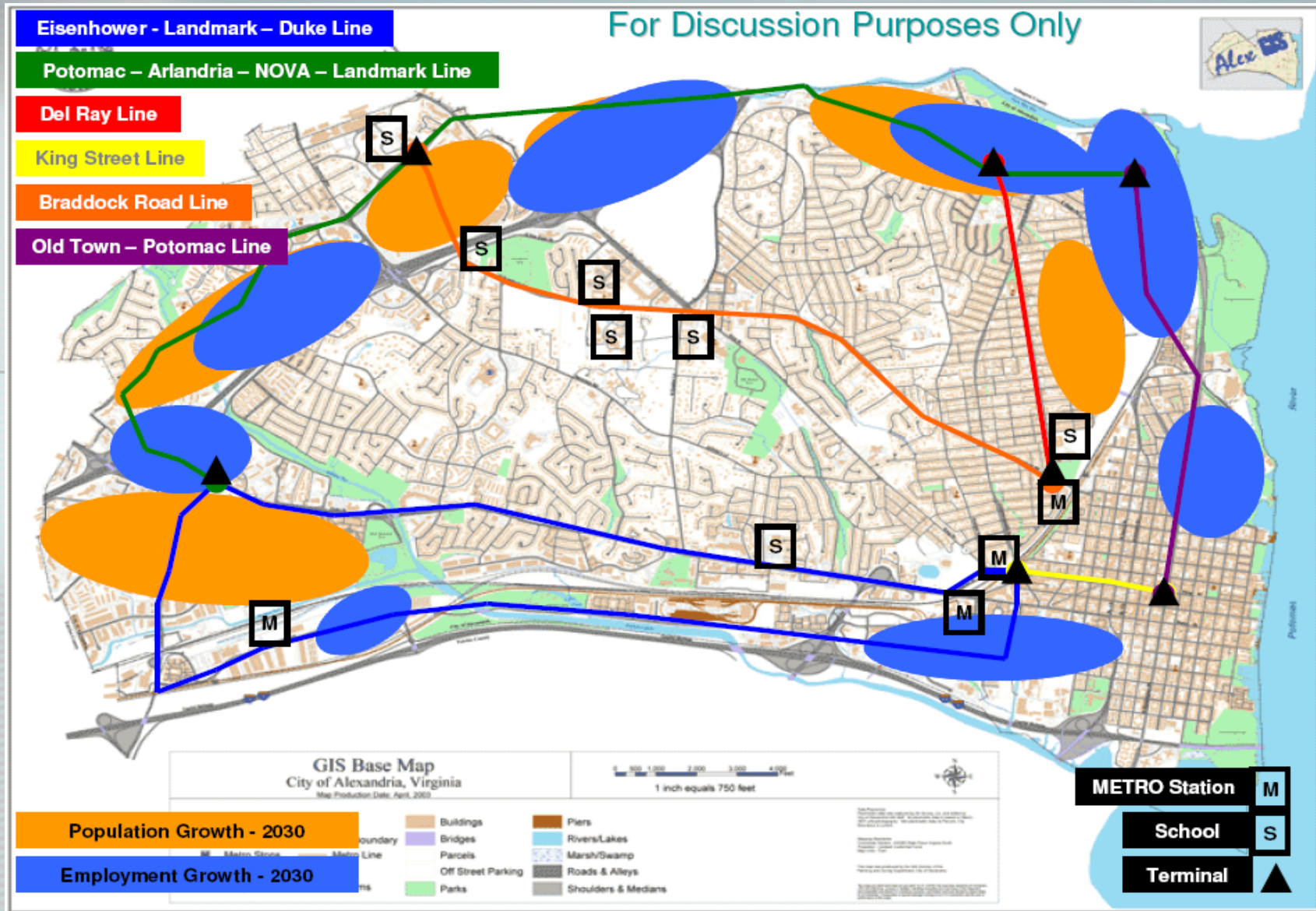
		Destination				
		NW	NE	SW	SE	Total
Origin	2000					
	NW	23845	3265	6470	6482	40062
	NE	3518	24270	2640	9017	39445
	SW	5602	2722	29431	8686	46441
	SE	4798	6735	6464	43719	61716
Total		37763	36992	45005	67904	187664

		Destination				
	2030	NW	NE	SW	SE	Total
Origin	NW	25760	3372	6612	7662	43406
	NE	3654	30048	2828	14963	51493
	SW	6254	3224	31356	11863	52697
	SE	5647	11329	7802	68972	93750
	Total	41315	47973	48598	103460	241346

Task Force Conclusions

- Demand for mobility will increase, locally and regionally
- Opportunities for (and interest in) additional street capacity limited
- Automobile congestion cannot be eliminated!
- Alexandria needs a new strategy

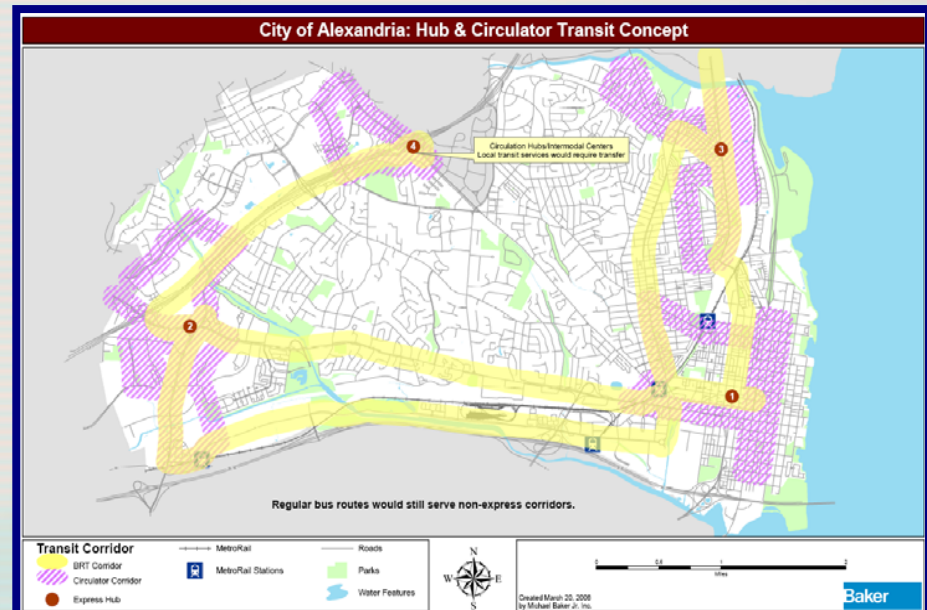
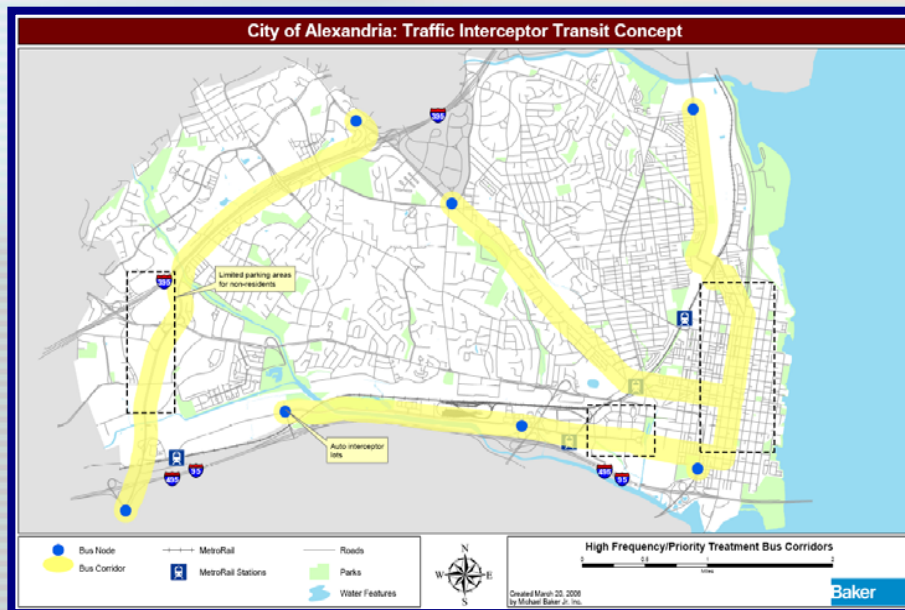
A New Strategy for Alexandria



A New Strategy for Alexandria

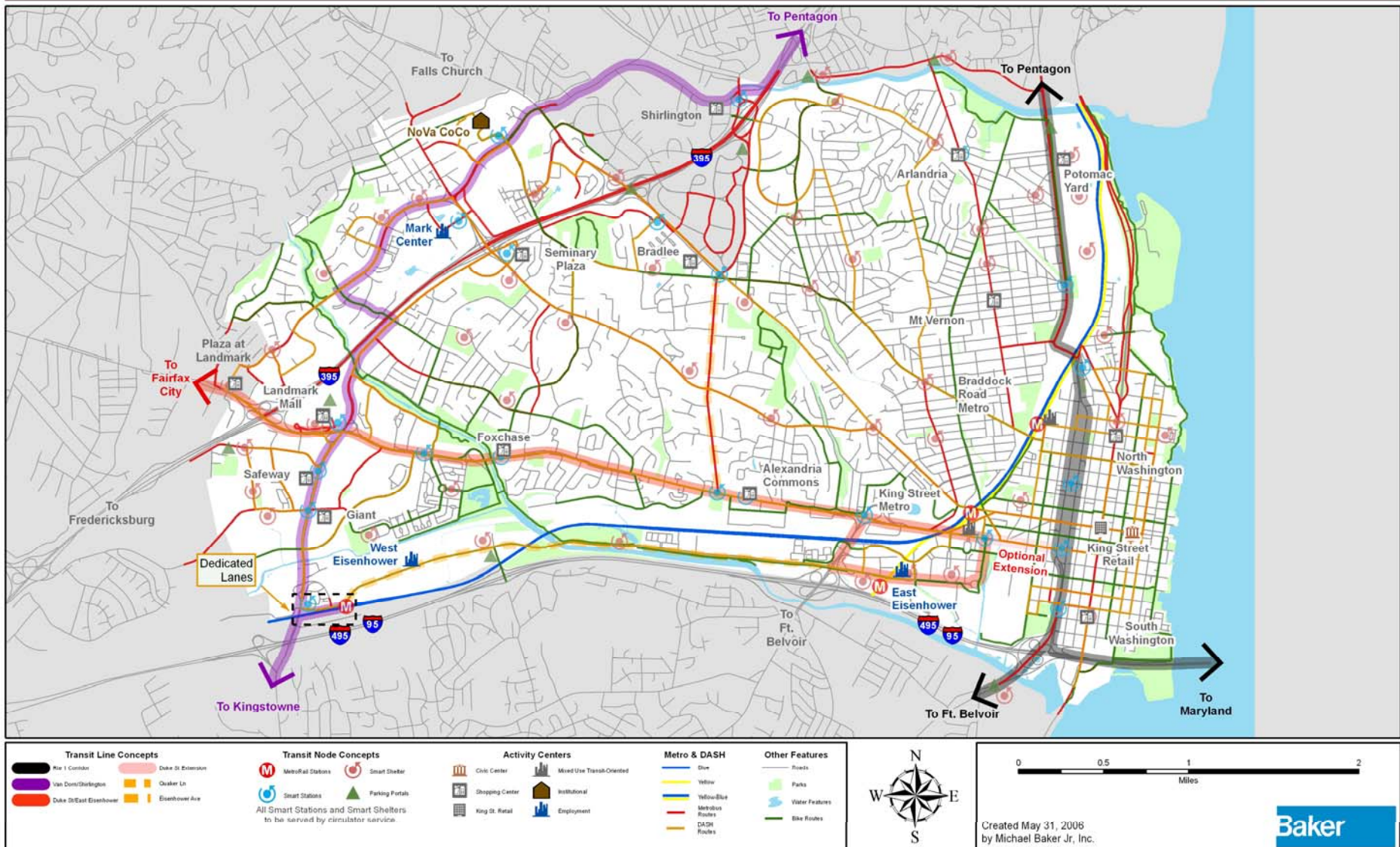
Goals:

- Support City Council's Strategic Vision
- Focus on Improving Mobility and Connectivity for Alexandria Residents, Workers and Visitors
- Provide Alternatives to Reduce Impact of Through Traffic



Alexandria Transit Concept

City of Alexandria: Transportation Task Force Transit Concept



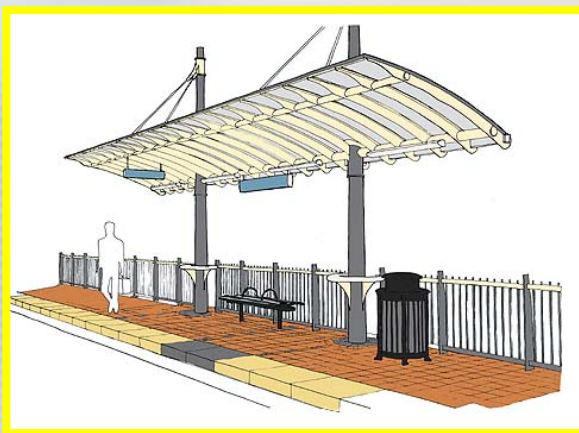
Dedicated Transit Corridors

- Dedicated Transit Facilities
(Exclusive lanes or rights of way)
- Compatible with Multiple
Types of Transit Services
(Light Rail, Bus Rapid Transit, Trolley)



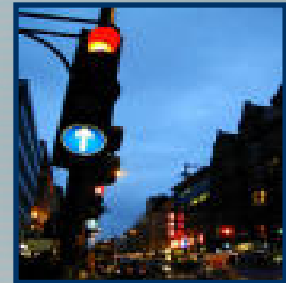
- Convenient and Efficient
Transit Services
(time and cost)
- Smart Stations and Shelters
- Service Coordinated with
Other Transit Services

Smart Stations & Smart Shelters

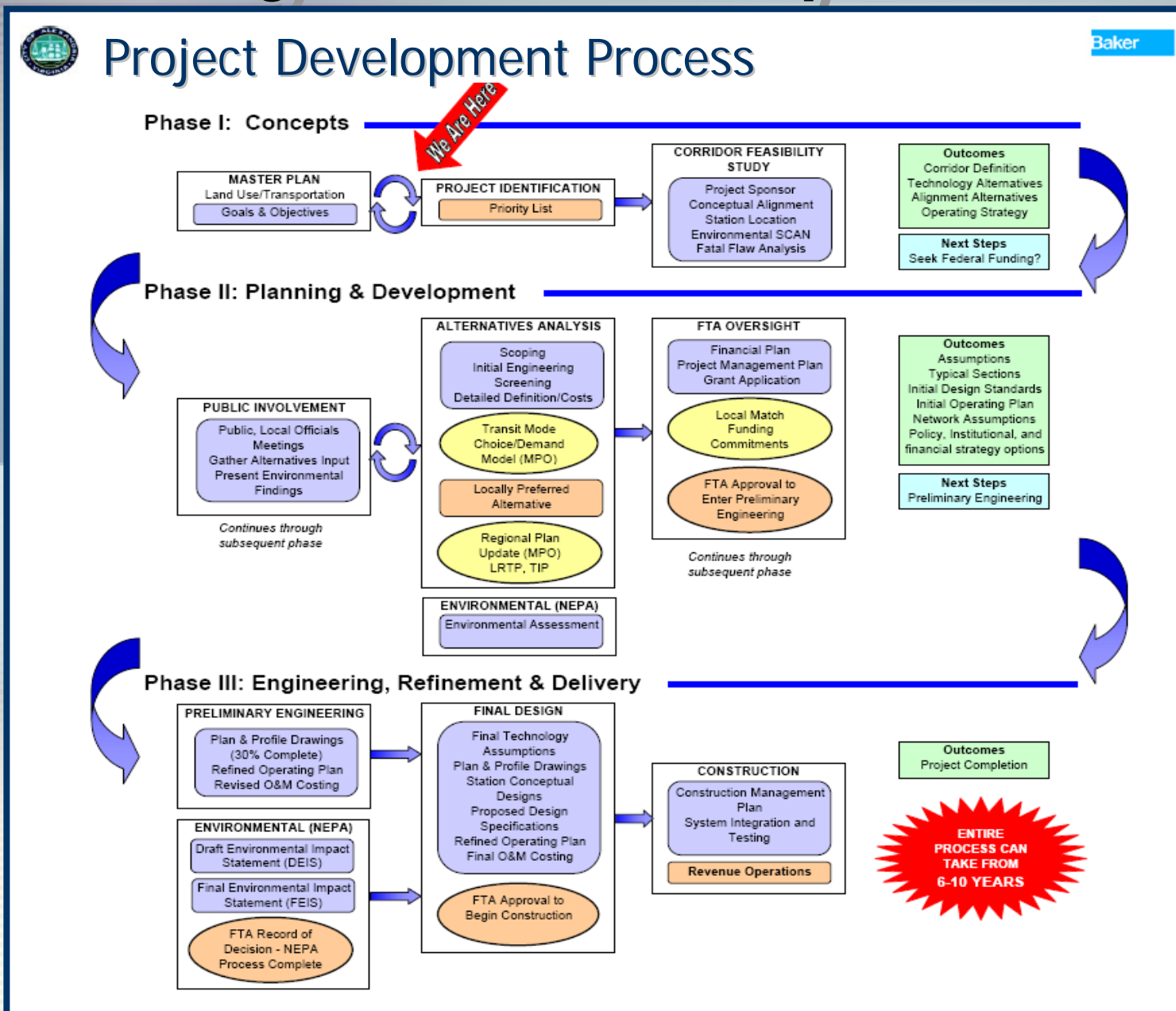


Supporting Elements & Activities

- Service Integrated with Other Regional Transit Corridors
- Neighborhood and Activity Center Circulators
- Station and Shelter Accessibility Enhancements
- Priority Treatments for Transit Operations
- Citywide Transit Incentives & Disincentives Programs
- Real-time Service/Schedule Information Accessible Through Multiple Technologies (internet, kiosks, cell phone, PDA)



Implementing the Transit Concept



Transportation Plan Next Steps

- ✓ Finalize Draft Transit Element
- ✓ Draft Bicycle, Pedestrian, Street and Supporting Programs Elements
- ✓ Finalize Goals, Objectives & Strategies, Performance Measures and Funding
- ✓ Finalize Draft Plan Document
- ✓ Community Meetings, Council and Planning Commission Work Session(s)
- ✓ Revise Draft Plan as Necessary
- ✓ Submit to Planning Commission and Council for Adoption



Thank You

**Questions and
Discussion**

City of Alexandria: Transportation Task Force Transit Concept

